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# MSP430F12X/F11X2/F12X2 Flash Emulation Tool

**(OBSOLETE) MSP-FET430P120**

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## Description


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The MSP-FET430P120 is a powerful tool that includes the hardware and software required to complete much of your application development work. The Flash memory can be erased and programmed in seconds with only a few keystrokes, and since the MSP430 Flash is extremely low power, no external power supply is required.

The tool has an integrated software environment and connects directly to the PC which greatly simplifies the set-up and use of the tool. The flash development tool supports development with the flash parts in the MSP430F11x1/ MSP430F12x / MSP430F11x2 / MSP430F12x2 product families.


**Start developing on the MSP430 platform quickly and easily**

Learn more about MSP430 Ultra-Low Power 16-bit MCU development tools and software available to you.

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## What's Included

- 2 F1232 flash devices
- 2 MSP430F123 flash devices
- FET to PC adapter
- Full documentation on CD ROM
- Header pinouts for prototyping
- Integrated IAR Kickstart user interface which includes an assembler, linker, simulator, source-level debugger, and limited C compiler
- LED indicator
- MSP430F12x FET development board with ZIF socket

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## Technical Documents

### User Guides (3)

Title	Abstract	Type	Size (KB)	Date	Views
<a href="#">MSP430 Hardware Tools User's Guide (Rev. U)</a>		PDF	7735	14 Jan 2015	30,021
<a href="#">Code Composer Studio v6.0 for MSP430 User's Guide (Rev. AG)</a>		PDF	1532	16 Dec 2014	15,247
<a href="#">IAR Embedded Workbench Version 3+ for MSP430 User's Guide (Rev. AH)</a>		PDF	986	16 Dec 2014	5,782

## Related Products

### Software (3)

Name	Part Number	Software Type
<a href="#">MSP430Ware</a>	MSP430WARE	Software Libraries

[MSP430F11x2, MSP430F12x, MSP430F12x2 Code Examples \(Rev. J\)](#)  
(ZIP, 543 KB) 338 views, 03 Oct 2014

[MSP430 schematic symbols and footprints library for use with the Eagle CAD tool \(Rev. E\)](#)  
(ZIP, 97 KB) 2425 views, 11 Mar 2011

### TI Devices (13)

Part Number	Name	Product Family
<a href="#">MSP430F1101A</a>	16-bit Ultra-Low-Power Microcontroller, 1kB Flash, 128B RAM, Comparator	Ultra-low Power
<a href="#">MSP430F1111A</a>	16-bit Ultra-Low-Power Microcontroller, 2kB Flash, 128B RAM, Comparator	Ultra-low Power
<a href="#">MSP430F1121A</a>	16-bit Ultra-Low-Power Microcontroller, 4kB Flash, 256B RAM, Comparator	Ultra-low Power
<a href="#">MSP430F1122</a>	16-bit Ultra-Low-Power Microcontroller, 4kB Flash, 256B RAM, 10 bit ADC	Ultra-low Power
<a href="#">MSP430F1132</a>	16-bit Ultra-Low-Power Microcontroller, 8kB Flash, 256B RAM, 10 bit ADC	Ultra-low Power
<a href="#">MSP430F122</a>	16-Bit Ultra-Low-Power Microcontroller, 4kB Flash, 256B RAM, USART, Comparator	Ultra-low Power
<a href="#">MSP430F1222</a>	16-bit Ultra-Low-Power Microcontroller, 4kB Flash, 256B RAM, 10 bit ADC, ART	Ultra-low Power

Part Number ↕	Name	Product Family ↕
MSP430F123	16-Bit Ultra-Low-Power Microcontroller, 8kB Flash, 256B RAM, USART, Comparator	Ultra-low Power
MSP430F1232	16-bit Ultra-Low-Power Microcontroller, 8kB Flash, 256B RAM, 10 bit ADC, ART	Ultra-low Power
MSP430F2101	16-bit Ultra-Low-Power Microcontroller, 1kB Flash, 128B RAM, Comparator	Ultra-low Power
MSP430F2111	16-bit Ultra-Low-Power Microcontroller, 2kB Flash, 128B RAM, Comparator	Ultra-low Power
MSP430F2121	16-bit Ultra-Low-Power Microcontroller, 4kB Flash, 256B RAM, Comparator	Ultra-low Power
MSP430F2131	16-Bit Ultra-Low-Power Microcontroller, 8kB Flash, 256B RAM, Comparator	Ultra-low Power


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- [C2000™ 32-bit Real Time MCUs](#)
- [Tiva™ C Series ARM® Cortex-M MCUs](#)
- [Development Tools](#)

### Training & events

Name	Type	Available During
<b>Georgia Tech MOOC: Control of Mobile Robots</b> Learn how to make mobile robots move in effective, safe, predictable, and collaborative ways using modern control theory.	On-Line Training	On Demand
<b>SimpleLink™ Wi-Fi CC3100 and CC3200 Project 0 Series - 5 Part Series</b> Learn about using Software Tools for SimpleLink™ Wi-Fi CC3100 Boosterpack and CC3200 Launchpad	On-Line Training	On Demand
<b>TI-RTOS Update</b> Learn about the latest TI-RTOS features and more in-depth understanding of this TI software tool.	On-Line Training	On Demand
<b>Designing with Ultra Low Power Segmented Displays</b> Learn about designing Ultra-low Power Segmented Displays and MSP430	On-Line Training	On Demand

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